ABSTRACT

A system for use with a roll bowl type mill for the pulverizing of solid fuels such as coal. The system includes hardware in the form of sensors and other components and software to among other things monitor the operating condition of the mill's moving parts and predict their failure. The system can determine the diameter of the mill's rollers, or the reduction and/or depth of cup wear of each of the rollers, the thickness of the solid fuel in the mill, can by analysis determine the wear of each of the one or more roller bearings in the mill and predict their failure and can estimate the mill availability